

Texas Perinatal HIV Prevention Epidemiologic Profile:

Public Health Region(s) 4/5N*

1. Which counties define Public Health Regions (PHRs) 4/5N?

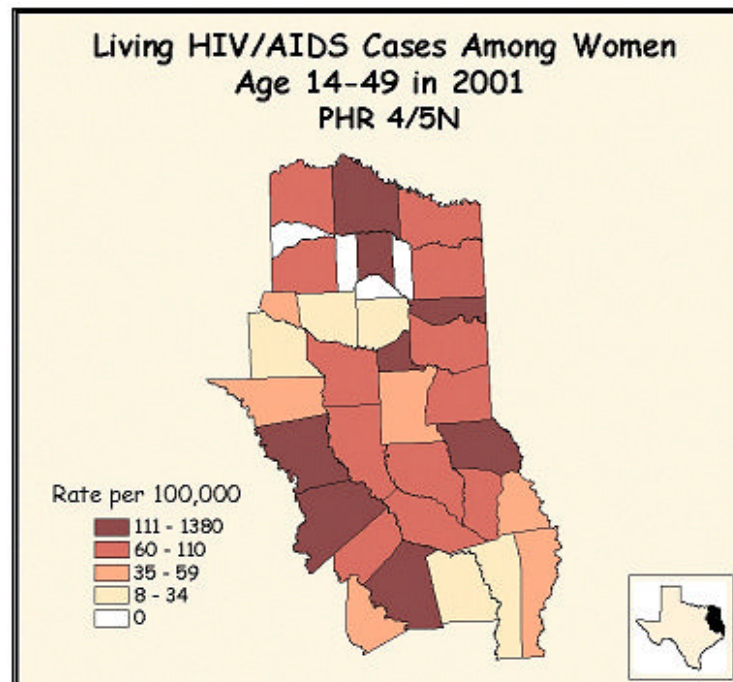
Counties in PHRs 4/5N: Angelina, Houston, Trinity, Polk, San Jacinto, Tyler, Jasper, Newton, Sabine, San Augustine, Shelby, Nacogdoches, Bowie, Red River, Lamar, Delta, Hopkins, Franklin, Morris, Titus, Cass, Camp, Upshur, Wood, Rains, Van Zandt, Henderson, Anderson, Cherokee, Rusk, Panola, Gregg, Smith, and Harrison.

2. How Many Living HIV Infected Women of Childbearing Age (13-49) are From Public Health Regions 4/5N?

Living HIV/AIDS Cases in PHRs 4/5N
Females Age 13-49 During Year

Living at End of Year	Public Health Region		PHRs 4-5N Percentage of State
	4-5	Texas	
12/31/1999	157	3,519	4%
12/31/2000	233	4,844	5%
12/31/2001	304	6,243	5%

Database updated through January 22, 2002



3. How Many HIV Infected Women Give Birth in PHRs 4/5N?

- **19,043** residents gave birth in PHRs 4/5N in 2000
- An estimated **1.78 per 1000** women giving birth in PHRs 4/5N are HIV positive (1997 Survey of Childbearing Bearing Women data) compared with **1.05 per 1000** for all of Texas
- An estimated **34** HIV positive women gave birth in 2000 in PHRs 4/5N
- An estimated **381** HIV positive women gave birth in Texas in 2000
- About **9%** of HIV positive women giving birth in Texas come from PHRs 4/5N but only **5%** of total Texas 2000 births (363,325) are from PHRs 4/5N

4. What is the Racial/Ethnic Background of Women of Childbearing Age Living with HIV and AIDS in PHRs 4/5N?

Race-Ethnicity of Living Female HIV/AIDS Cases Age 13-49 in PHRs 4/5N

Living at End Of Year	Race-Ethnicity								Total
	White		African American		Hispanic		Other/Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
12/31/1999	65	41%	88	56%	3	2%	1	1%	157
12/31/2000	91	39%	136	58%	5	2%	1	< 1%	233
12/31/2001	119	39%	174	57%	7	2%	4	1%	304

Database updated through January 22, 2002

5. How did Women of Childbearing Age Living with HIV and AIDS in PHRs 4/5N Get Exposed to HIV? Through Intravenous Drug Use? Heterosexual Sex? Receipt of Blood Products? Unknown?

Mode of Exposure of Living Female HIV/AIDS Cases Age 13-49 in PHRs 4/5N

Living At End of Year	Mode of Exposure											Total Number
	IDU		Blood/Blood Prod.		Heterosexual Sex		Pediatric		Not Classified			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
12/31/1999	47	30%	3	2%	67	43%	1	1%	39	25%	157	
12/31/2000	59	25%	3	1%	91	39%	1	<1%	79	34%	233	
12/31/2001	77	25%	7	2%	103	34%	4	1%	113	37%	304	

Database updated through January 22, 2002

IDU=Intravenous drug use, injected non-prescription drugs

Heterosexual Sex= Female to male sex

Blood/Blood Prod=Receipt of clotting factor or transfusion or blood/blood components

Pediatric= Cases reported when under age 13.

Mode of pediatric exposure includes perinatal exposure, receipt of clotting factor,

transfusion of blood/blood components/sexual contact with a male, sexual contact

with a female, injected non-prescription drugs, not classified

6. How Many Women in PHRs 4/5N Receive Prenatal Care?

- **82.2 %** of women from PHRs 4/5N giving birth in 2000 started prenatal care within the first trimester compared with **78.8%** statewide (birth certificate data)
- **75.4%** of women from PHRs 4/5N giving birth in 2000 started received adequate prenatal care based on the Kessner Index compared with **70.7%** statewide (birth certificate data)

7. How Many HIV positive Women in PHRs 4/5N Receive Prenatal Care?

Data is not available specifically for PHRs 4/5N, however, data from the Pediatric Spectrum of HIV Disease (PSD) project (sites in Dallas, San Antonio, Houston, Galveston, Austin and El Paso) shows (1996-2001):

- **80%** of HIV positive mothers in PSD received some prenatal care
- **82%** of HIV positive mothers at Texas PSD sites had their HIV diagnosed before delivery
- Of those women receiving prenatal care, **90.5%** knew their HIV status prior to delivery
- Of those not receiving prenatal care, **only 56.6%** knew their HIV status prior to delivery

8. How Many Pregnant Women Get Tested for HIV in Texas?

8a. Data from a survey of 614 private Ob/Gyn providers in Texas (1997) show:

- **99%** of practices offered prenatal HIV testing to all their pregnant patients
- **96%** of practices included HIV testing in the routine panel of tests for pregnant patients
- More than 95% of practices reported that **10% or less** of the women refused the test when offered it; **73%** had not refusals in the past 6 months
- **89%** were aware of a Texas law requiring HIV testing of pregnant women unless patient refuses

8b. Data from Birth Certificates (2000) show:

- **97.6 %** of women giving birth were tested for HIV either prenatally or at delivery in PHRs 4/5N compared with **96.8%** statewide
- **95.0 %** of women giving birth were tested in the prenatally in PHRs 4/5N compared to **90.0%** statewide
- **88.1%** of women giving birth were tested at delivery in PHRs 4/5N compared to **82.7%** statewide.

9. How Many HIV Positive Pregnant Women Receive Antiretroviral Therapy in Texas and PHRs 4/5N?

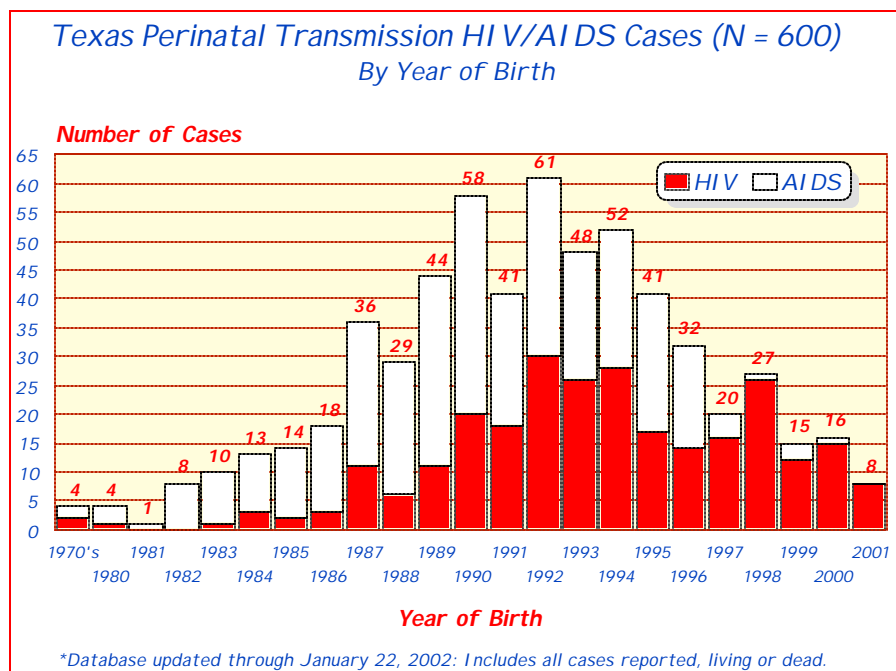
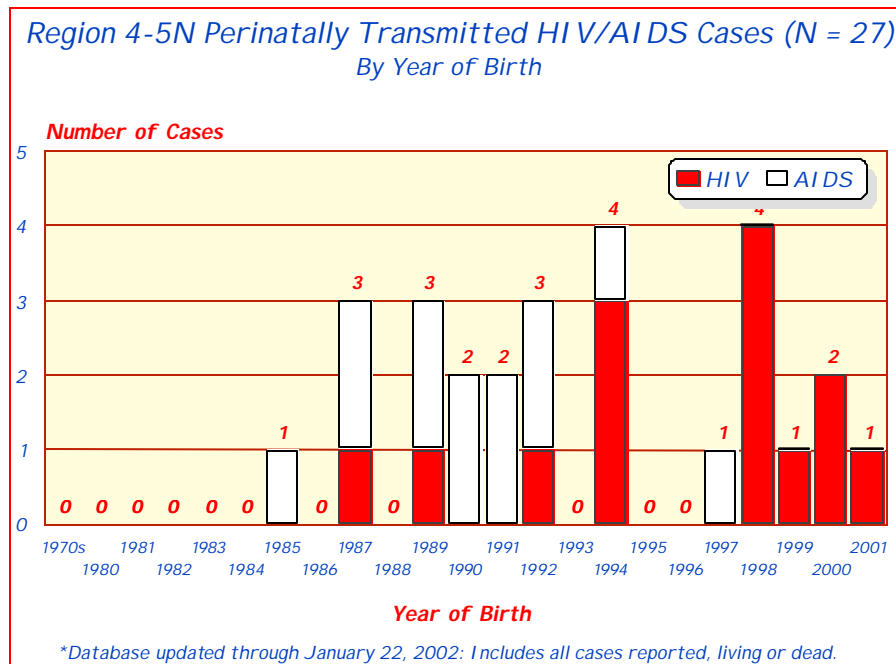
9a. Data from the Survey Of Childbearing Women (SCBW) show:

- In 1994, an estimated **23%** of women giving birth in Texas who tested positive for HIV also tested positive for ZDV (Zidovudine) at the time of their child's birth. This percentage rose to **59%** in 1995 and **62%** in 1997
- In 1997, **100%** of women giving birth who tested positive for HIV in PHRs 4/5N in the SCBW study also tested positive for ZDV at the time of delivery

9b. Data from PSD of HIV positive Mother/Child Pairs (children born 1995-1998) reveal:

- **38%** received the full ACTC 076 protocol regimen
- **74%** received the prenatal component, **38%** the intrapartum component and **85%** received the neonatal component

10. How Many Children Have Been Reported as Infected Perinatally with HIV/AIDS in PHRs 4/5N compared with Texas as a whole?



Note: Cases born before 1989 were adults and adolescents (age 13+) at the beginning of 2002. Of all perinatal transmission cases, the number still alive for Region 4-5N is 20 and for Texas, 412.

11. What is the HIV Perinatal Transmission Rate in PHRs 4/5N?

No PHRs 4/5N specific data is available, however, data from the Texas Pediatric Spectrum of HIV Disease (PSD) study show:

- Perinatal transmission rates have dropped in Texas
- At all Texas PSD sites (Dallas, Houston, San Antonio, Austin, Galveston, and El Paso), the perinatal HIV transmission rate was **13.9%** in 1996 and dropped to **4.0%** in 2001
- Perinatal HIV transmission rates of **<2%** have been documented in studies using combination antenatal antiretroviral drugs or with Zidovudine (ZDV) combined with cesarean section.

Data Notes: Data are from Texas HIV/AIDS Reporting System (HARS) dataset through 01/22/02. Pediatric data is by year of diagnosis and only for the pediatric mode of exposure “Pedi Parent at Risk”, which includes all HIV positive parents. Percents may not equal to 100% due to rounding. Prevalence estimates are based on 1997 Survey of Childbearing Women (SCBW) HIV prevalence data. Pediatric Spectrum of Disease (PSD) Data is from three sites (Dallas, Houston and San Antonio) from 1995-1998 and from six sites (Dallas, Houston, San Antonio, Galveston, Austin and El Paso) from 1996-2001.